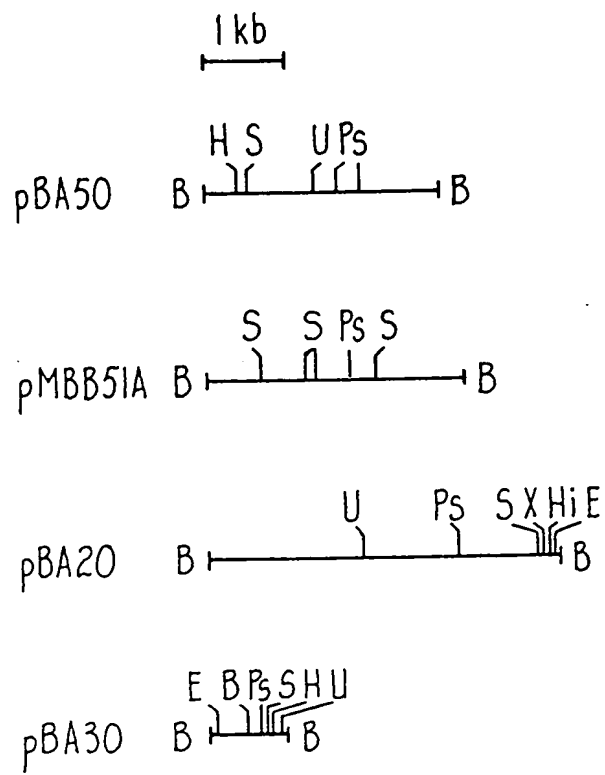


*Fig. 2A*



*Fig. 2B*

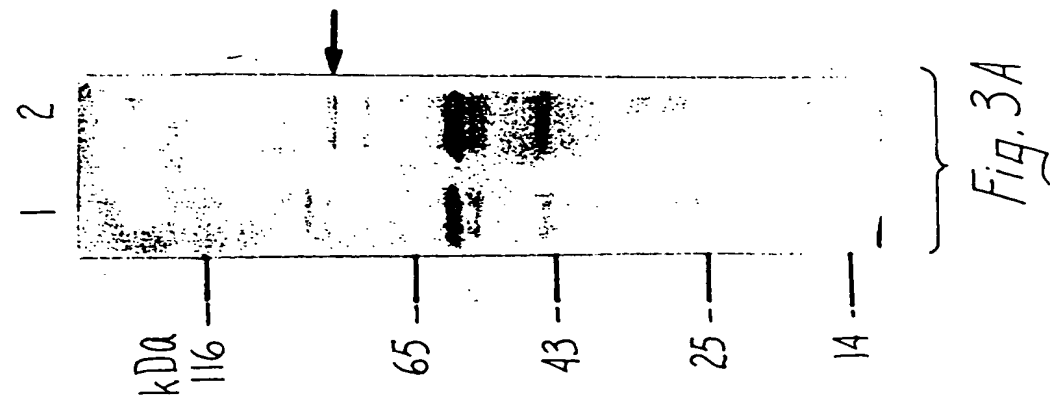


Fig. 3A

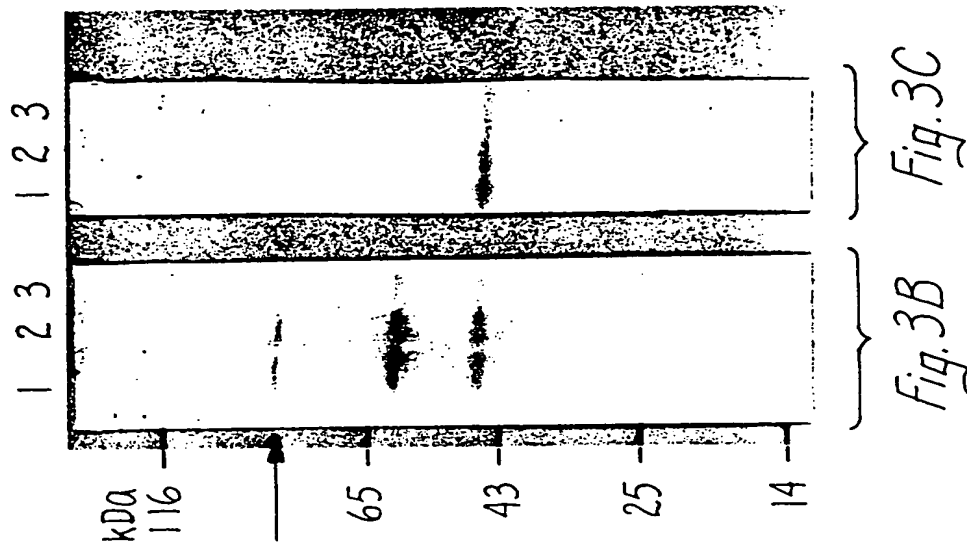


Fig. 3B Fig. 3C



Fig. 4B

850	GAT CTG TCG GTG ATG TTT GGG GTC GTG CCT GCC ACG CGC TTC ACC GGC TGG CAG TGG GTG	900
	Asp Leu Ser Val MET Phe Gly Val Val MET Phe Thr Arg Phe Thr Gly Trp Gln Trp Val	
	120	
	CTA AGC GCG CTG GCA CTG CCG GTC GTG ACC TGG GCG GCG TGG CCG TTT CAC CGC GGT GCG	950
	Leu Ser Ala Leu Ala Leu Pro Val Val Thr Trp Ala Ala Trp Pro Phe His Arg Val Ala	
	140	
	ATG CGC AAC GCC CGC CAC CAC GCC GTC TCC ATG GAG ACG CTA ATC TCG GTC GGT ATC ACG	1000
	MET Arg Asn Ala Arg His His Ala Ala Ser MET Glu Thr Leu Ile Ser Val Gly Ile Thr	
	160	
	GCC GCC ACG ATC TGG TCG CTG TAC ACC GTC TTC GGC AAT CAC TCG CCC ATC GAG CGC AGC	1050
	Ala Ala Thr Ile Trp Ser Leu Tyr Thr Val Phe Gly Asn His Ser Pro Ile Glu Arg Ser	
	180	
	GGC ATA TGG CAG GCG CTG CTG GGA AGC GAT GCT ATT TAT TTC GAG GTC GCG GGT GTC	1100
	Gly Ile Trp Gln Ala Leu Leu Gly Ser Asp Ala Ile Tyr Phe Glu Val Ala Ala Gly Val	
	200	
	1150	1200
	ACG GTG TTC GTG CTG GTG GGG CGG TAT TTC GAG GCG CGC GCC AAG TCG CAG GCG AGT	
	Thr Val Phe Val Leu Val Gly Arg Tyr Phe Glu Ala Arg Ala Lys Ser Gln Ala Gly Ser	
	220	
	GCG CTG AGA GCC TTG GCG GCG CTG AGC GCC AAG GAA GTA GCC GTC CTG CTA CCG GAT GGG	1250
	Ala Leu Arg Ala Leu Ala Ala Leu Ser Ala Lys Glu Val Ala Val Leu Leu Pro Asp Gly	
	240	
	TCG GAG ATG GTC ATC CCG GCC GAC GAA CTC AAA GAA CAG CAG CGC TTC GTG GTG CCG CCA	1300
	Ser Glu MET Val Ile Pro Ala Asp Glu Leu Lys Glu Gln Arg Phe Val Val Arg Pro	
	260	
	GGG CAG ATA GTT GCC GCC GAC GGC CTC GCC GTC GAC GGG TCC GCT GCG GTC GAC ATG AGC	1350
	Gly Gln Ile Val Ala Ala Asp Gly Leu Ala Val Asp Gly Ser Ala Ala Val Asp MET Ser	
	280	

1400  
GCG ATG ACC GGC GAG GCC AAA CCG ACC CGG GTG CGT CCG GGG GGG CAG GTC ATC GGC GGC  
Ala MET Thr Gly Glu Ala Lys Pro Thr Arg Val Arg Pro Gly Gln Val Ile Gly Gly  
300

1450  
ACC ACA GTG CTT GAC GGC CCG CTG ATC GTG GAG GCG GCC GCG GTG GGC GCC GAC ACC CAG  
Thr Thr Val Leu Asp Gly Arg 320  
1500  
TTC GCC GGA ATG GTC CGC CTC GTT GAG CAA CCG CAG GCG CAA AAG GCC GAC GCA CAG CGA  
Phe Ala Gly MET Val Arg Leu Val Glu Gln Ala Gln Lys Ala Asp Ala Gln Arg  
340  
1550  
CTA GCC GAC CGG ATC TCC TCG GTG TTT GTT CCC GCT GTG TTG GTT ATC GCG GCA CTA ACC  
Leu Ala Asp Arg Ile Ser Ser Val Phe Val Pro Ala Val Leu Val Ile Ala Ala Leu Thr  
360  
1600  
GCA GCC GGA TGG CTA ATC GCC GGG GGA CAA CCC GAC CGT GCC GTC TCG GCC GCA CTC GCC  
Ala Ala Gly Trp Leu Ile Ala Gly Gln Pro Asp Arg Ala Val Ser Ala Ala Leu Ala  
380  
1650  
GTG CTT GTC ATC GCC TGC CCG TGT GCC CTG GGG CTG GCG ACT CCG ACC GCG ATG ATG GTG  
Val Leu Val Ile Ala Cys Pro Cys Ala Leu Gly Leu Ala Thr Pro Thr Ala MET MET Val  
400  
1700  
1750  
GCC TCT GGT CGC GGT GCC CAG CTC GGA ATA TTT CTG AAG GGC TAC AAA TCG TTG GAG GCC  
Ala Ser Gly Arg Gly Ala Gln Gln Leu Gly Ile Phe Leu Lys Gly Tyr Lys Ser Leu Glu Ala  
420  
1800  
ACC CGC GCG GTG GAC ACC GTC GTC TTC GAC AAG ACC GGC ACC CTG ACG ACG GCG CTG  
Thr Arg Ala Val Asp Thr Val Val Phe Asp Lys Thr Gly Thr Leu Thr Thr Gly Arg Leu  
440  
1850  
CAG GTC AGT GCG GTG ACC GCG GCA CCG GGC TGG GAG GCC GAC CAG GTG CTC GCC TTG GCC  
Gln Val Ser Ala Val Thr Ala Ala Pro Gly Trp Glu Ala Asp Gln Val Leu Ala Leu Ala  
460  
1900

Fig. 4C

GGC ACC GTG GAA GCC GCG TCC GAG CAC TCG GTG GCG CTC GCG ATC GCC GCG GCA ACG ACT Ala Thr Val Glu Ala Ala Ser Glu His Ser Val Ala Leu Ala Ile Ala Ala Thr Thr	1950
CGG CGA GAC GCG GTC ACC GAC TTT CGC GCC ATA CCC GGC CGC GGC GTG AGC GGC ACC GTG Arg Arg Asp Ala Val Thr Asp Phe Arg Ala Ile Pro Gly Arg Gly Val Ser Gly Thr Val	2000
TCC GGG CGG GCG GTA CCG GTG GGC AAA CCG TCA TGG ATC GGG TCC TCG TCG TGC CAC CCC Ser Gly Arg Ala Val Arg Val Gly Lys Pro Ser Trp Ile Gly Ser Ser Ser Cys His Pro	2050
AAC ATG CGC GCG GCC CGG CGG CAC GCC GAA TCG CTG GGT GAG ACG GCC GTA TTC GTC GAG Asn MET Arg Ala Ala Arg Arg His Ala Glu Ser Leu Gly Glu Thr Ala Val Phe Val Glu	2100
GTC GAC GGC GAA CCA TGC GGG GTC ATC GCG GTC GCC GAC GCC GTC AAG GAC TCG GCG CGA Val Asp Gly Glu Pro Cys Gly Val Ile Ala Val Ala Asp Ala Val Lys Asp Ser Ala Arg	2150
GAC GCC GTG GCC GCG CTG GCC GAT CGT GGT CGC ACC ATG CTG TCG ACC GGT GAC AAT Asp Ala Val Ala Ala Leu Ala Asp Arg Gly Leu Arg Thr MET Leu Leu Thr Gly Asp Asn	2200
CCC GAA TCG GCG GCG GCC GTG GCT ACT CGC GTC GGC ATC GAC GAG GTG ATC GCC GAC ATC Pro Glu Ser Ala Ala Ala Val Arg Val Gly Ile Asp Glu Val Ile Ala Asp Ile	2250
CTG CCG GAA GGC AAG GTC GAT GTC ATC GAG CAG CGC GGA CAT GTC GTC GCC Leu Pro Glu Glu Lys Val Asp Val Ile Glu Gln Leu Arg Asp Arg Gly His Val Val Ala	2300
ATG GTC GGT GAC GGC ATC AAC GAC GGA CCC GCA CTG GCC CGT GCC GAT CTA GGC ATG GCC MET Val Gly Asp Gly Ile Asn Asp Gly Pro Ala Leu Ala Arg Ala Asp Leu Gly MET Ala	2350
	2400
	2450
	2500

Fig. 4D



2500  
 ATC GGG CGC GGC ACG GAC GTC GCG ATC GGT GCC GCC GAC ATC ATC TTG GTC CGC GAC CAC  
 Ile Gly Arg Gly Thr Asp 660  
 2550  
 CTC GAC GTT GTA CCC CTT GCG CTT GAC CTG GCA AGG GCC ACG ATG CGC ACC GTC AAA CTC  
 Leu Asp Val Val Pro Leu Ala Leu Asp Leu Ala Arg Ala Thr MET Arg Thr Val Lys Leu 680  
 2600  
 AAC ATG GTC TGG GCA TTC GGA TAC AAC ATC GCC GCG ATT CCC GTC GCC GCT GCC GGA CTG  
 Asn MET Val Trp Ala Phe Gly Tyr Asn Ile Ala Ala Ile Pro Val Ala Ala Gly Leu 700  
 2650  
 CTC AAC CCC CTG GTG GCC GGT GCG GCC ATG GCG TTC TCA TCG TTC TTC GTG GTC TCA AAC  
 Leu Asn Pro Leu Val Ala Gly Ala Ala MET Ala Phe Ser Ser Phe Val Val Ser Asn 720  
 2700  
 AGC TTG CGG TTG CGC AAA TTT GGG CGA TAC CCG CTA GGC TGC GGA ACC GTC GGT GGG CCA  
 Ser Leu Arg Leu Arg Lys Phe Gly Arg Tyr Pro Leu Gly Cys Gly Thr Val Gly Gly Pro 740  
 2750  
 CAA ATG ACC GCG CCG TCG TCC GCG TGA TCGGTTGTGCGGCAACACGATATCGGGCTCAGCGGCGACCGCA  
 Gln MET Thr Ala Pro Ser Ser Ala TER 761

TCCGGTCTCGGCCGAGGACAGAGGCGCTTCGCCACACCATGATTGCCAGGACCGCCCGATCACCCGCGAGATGAGT  
 CAAATCCGCGTGTGCTGACCGCGCGGACAGCGCATCCACAATCACATAGCCGGTCAGTATGGCGACGAACGCCGTCA  
 GAACACCGGCCAGCGCGCGGCGCTCGGCCATAGCGCCGCCACCATGATCACACGAGCGCAATCGACACCGAC  
 GTGACTCGTTAGCAAGTGGTCCGCGACCCGTCGGGTGCTGATGGTTCAGGCCGACGCTAGGCCAAACCCCTGCACG  
 GTGCCAGGGCGATCTGCGCGATGCCACGACAGCAACGCCCAACGTCCCGAGGTCTCGGTGAATGTTGCCCGCCCGG  
 3250  
 CGCCCGCGGGATCC

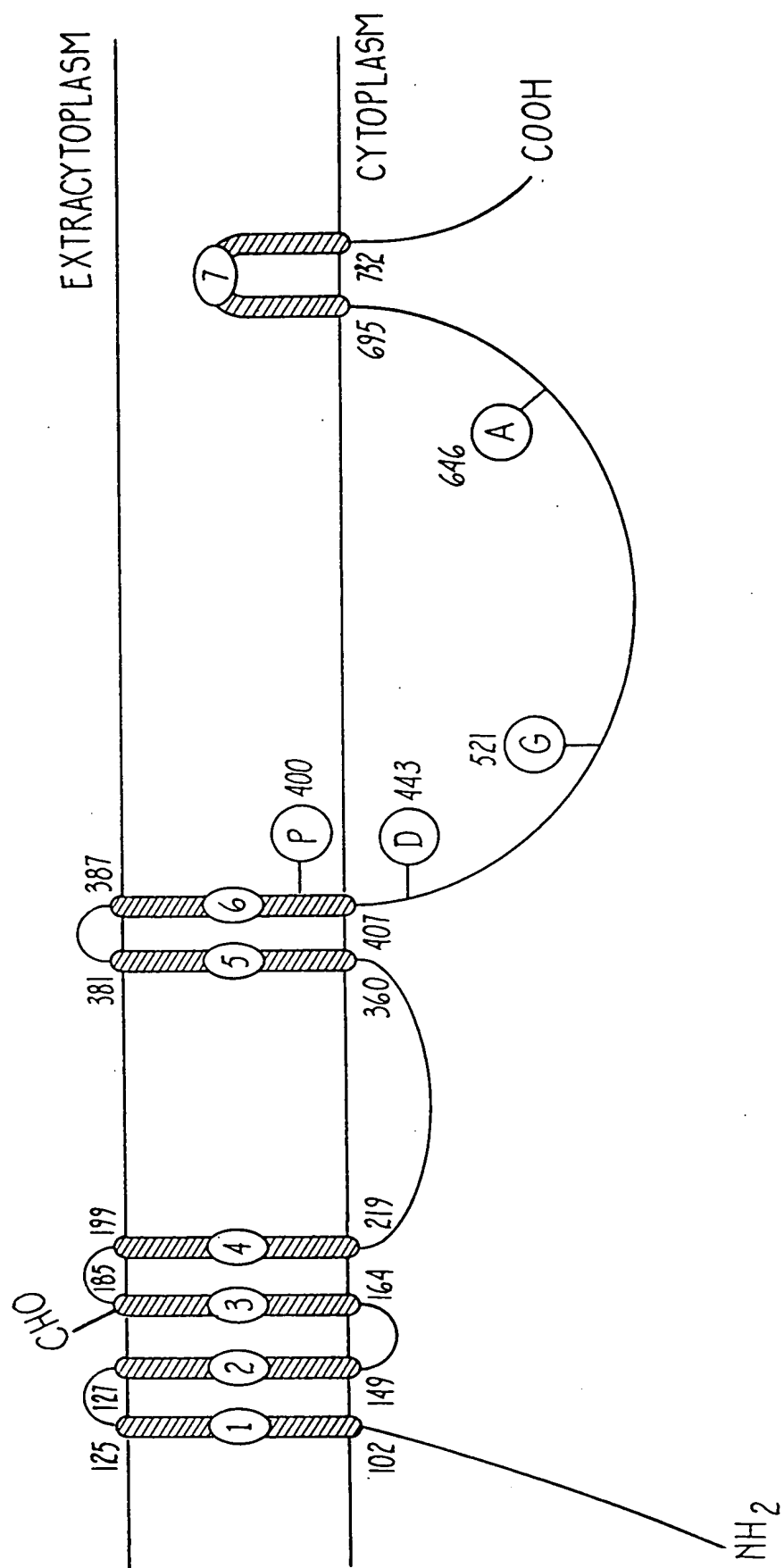


Fig. 5

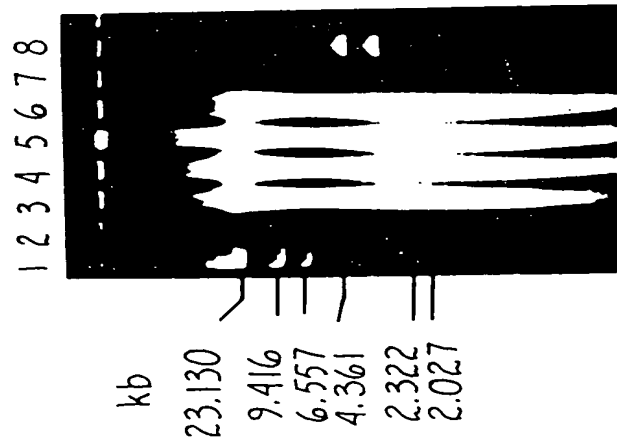


Fig. 6A

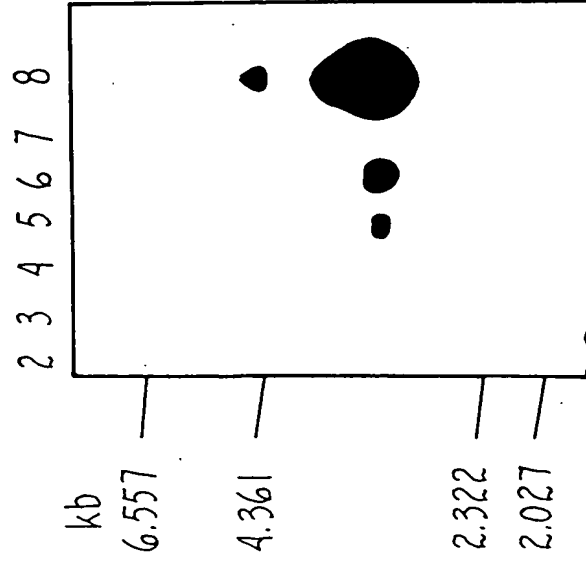


Fig. 6B